

APPARATUS AND METHOD FOR SITUATING AN INDUCTIVE ELEMENT IN ASSOCIATION WITH A ROD WITHIN AN ELECTRICAL CIRCUIT

ABSTRACT OF THE DISCLOSURE

ferrous bead

An apparatus for situating an inductor with a rod having a diametral dimension. The inductor is toroidal with an inductor inner dimension. The apparatus comprises a tubular supporter that flexes and has a first end, a second end, a support inner dimension and a support outer dimension. The support inner dimension is substantially equal to the diametral dimension. The supporter flexes when installing the inductor to establish the support outer dimension at less than the inductor inner dimension to allow sliding installation of the inductor about the supporter and the rod with the inductor surrounding the supporter and the rod with the inductor situated intermediate the first and second end with the supporter flexed to establish the support outer dimension at greater than the inductor inner dimension intermediate the inductor and the first and second end. A method for installing an toroidal inductor having a first axis upon a rod comprises the steps of: (a) providing a flexible insulative supporter having a second axis, an inner support dimension generally equal to the diametral dimension of the rod and an outer support dimension generally equal to the inner toroid dimension of the inductor; (b) flexing the supporter to situate the supporter substantially coaxially with the toroid, with the toroid intermediate the first and second ends to establish an assembly; (c) situating the assembly upon the rod; and (d) slidingly positioning the assembly on the rod at an operational locus.

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